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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. SIW-078

First Inventor Atsushi KAMACHI

Title THERMOELECTRIC CONVERSION APPARATUS

Express Mail Label No. EV 377 651 451 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

MS Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-14501. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)7. CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)2. Applicant claims small entity status.
See 37 CFR 1.27.8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)3. Specification [Total Pages 31]a. Computer Readable Form (CRF)

(preferred arrangement set forth below)

b. Specification Sequence Listing on:

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

- i. CD-ROM or CD-R (2 copies); or ii. Paper

c. Statements verifying identity of above copies4. Drawing(s) (35 U.S.C. 113) [Total Sheets 9]

ACCOMPANYING APPLICATION PARTS

5. Oath or Declaration [Total Sheets 6]

9. Assignment Papers (cover sheet & document(s))a. Newly executed (original or copy) Power of
Attorneyb. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)10. 37 CFR 3.73(b) Statement Power of
(when there is an assignee) Attorneyi. DELETION OF INVENTOR(S)11. English Translation Document (if applicable)Signed statement attached deleting inventor(s)
named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS
Citations13. Preliminary Amendment14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)15. Certified Copy of Priority Document JP 2003-083238
(if foreign priority is claimed)16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or its equivalent.17. Other: _____6. Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

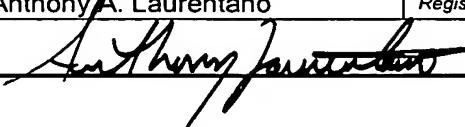
Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

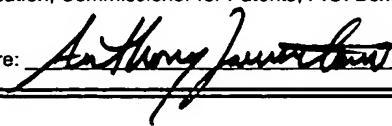
 Customer Number: 00959 OR Correspondence address below

Name	LAHIVE & COCKFIELD, LLP Anthony A. Laurentano			
Address	28 State Street			
City	Boston	State	MA	Zip Code
Country	US	Telephone	(617) 227-7400	Fax (617) 742-4214

Name (Print/Type)	Anthony A. Laurentano	Registration No. (Attorney/Agent)	38,220
Signature			Date March 23, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 377 651 451 US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 23, 2004

Signature:  (Anthony A. Laurentano)22859 U.S. PTO
10/80/723

032304

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 810.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Atsushi KAMACHI
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	SIW-078

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None
 Deposit Account:Deposit Account Number **12-0080**Deposit Account Name **Lahive & Cockfield, LLP**

The Director Is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments Charge any additional fee(s) or any underpayment of fee(s) Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					

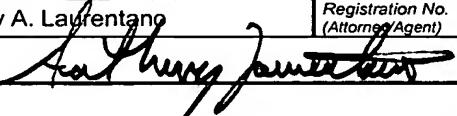
*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

**or number previously paid, if greater; For Reissues, see above

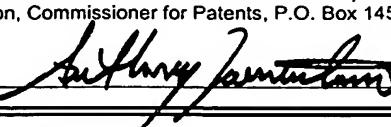
SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Anthony A. Laurentano	Registration No. (Attorney/Agent)	38,220	Telephone	(617) 227-7400	
Signature					Date	March 23, 2004

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Signature: 

(Anthony A. Laurentano)